

Table S1. Bacterial strains containing engineered and complemented mutations used in this study

Strains (alternate name)	Relevant Genotype	Mutated Loci ^a	Plasmid (alternate name) ^b	Parental strain ^c	Comment ^d	Reference
WT or deletion mutants						
HSC5	wild type (WT)	NA				(1)
GCP688	ClpX-	03620	pGCP666	HSC5		(2)
GCP1245 (ZC611)	SpxA1-	04745	pGCP1289 (pZC165)	HSC5		This study
GCP1033	SpxA2-	08945	pGCP1001	GCP726		This study
GCP711	ClpX/SpxA1-	03620, 04745	pGCP1289 (pZC165)	GCP688		This study
GCP726	ClpX/SpxA2-	03620, 08945	pGCP1290 (pZC192)	GCP688		This study
GCP729	ClpX/SpxA1-/SpxA2-	03620, 04745, 08945	pGCP1290 (pZC192)	GCP711		This study
GCP1072	SpxA1-/SpxA2-	04745, 08945	pGCP1001	GCP729		This study
GCP1255	SpxA2-/SpeB-	08945, 08645	pGCP485 (pCK365)	GCP1033		This study
GCP538	SpeB-	08645	pGCP485 (pCK365)	HSC5		This study
JWR100 (GCP057)	SpeB _{C192S}	08645			Enzymatically inactive allele of SpeB	(3)
MNN100 (GCP543)	RopB-	08655				(4)
Insertional disruption or antibiotic cassette swap mutants						
GCP652	ΩClpP	01780	pGCP647	HSC5	SpeR, plasmid insertion within <i>clpP</i>	This study
GCP653	ΩClpL	03635	pGCP648	HSC5	SpeR, plasmid insertion within <i>clpL</i>	This study
GCP654	ΩClpE	06190	pGCP649	HSC5	SpeR, plasmid insertion within <i>clpE</i>	This study
GCP655	ΩCtsR-ClpC	08770	pGCP651	HSC5	SpeR, plasmid insertion within <i>ctsR</i> , polar on <i>clpC</i>	This study
GCP656	ΩClpC	08765	pGCP650	HSC5	SpeR, plasmid insertion within <i>clpC</i>	This study
GCP1300	ClpP::aad9	01780	pWAR251 (pGCP1291)	HSC5	SpeR, allelic replacement of <i>clpP</i> with <i>aad9</i>	This study
Complemented mutants						
GCP017	WT + pVector	NA	pABG5 (pVector)	HSC5	KanR, multicopy plasmid	This study
GCP929	WT + pRopB-HA	NA	pJL60 (pGCP694)	HSC5	KanR, RopB-HA expressed on multicopy plasmid	This study
GCP790	ClpX- + pVector	03620	pABG5 (pVector)	GCP688	KanR, multicopy plasmid	This study
GCP695	ClpX- + pClpX	03620	pGCP893 (pZC154)	GCP688	KanR, ClpX expressed on multicopy plasmid	This study
GCP705	ClpX- + ClpX ^R	03620	pGCP610	GCP688	ClpX expressed on chromosome downstream of <i>guaB</i>	This study
GCP696	ClpX- + pRopB-HA	03620	pJL60 (pGCP694)	GCP688	KanR, RopB-HA expressed on multicopy plasmid	This study
GCP931	RopB- + pVector	08655	pABG5 (pVector)	MNN100 (GCP543)	KanR, multicopy plasmid	This study
JL139 (GCP930)	RopB- + pRopB-HA	08655	pJL60 (pGCP694)	MNN100 (GCP543)	KanR, RopB-HA expressed on multicopy plasmid	(5)
ZC572	WT + pSpxA1-6xHis	NA	pZC169	HSC5	KanR, SpxA1-6xHis expressed on multicopy plasmid	This study
ZC573	WT + pSpxA2-6xHis	NA	pZC170	HSC5	KanR, SpxA2-6xHis expressed on multicopy plasmid	This study

^aLoci are based on the genome of HSC5 (1) and follow the format L897_xxxxx, where xxxx is the number listed in the Table. NA, not applicable.^bMutagenic plasmid (Table S2) used to delete or disrupt endogenous gene(s) in HSC5. Empty vector and complementation plasmids (pVector, pClpX, pRopB-HA; Table S2) used to restore or overexpress select genes. See the Experimental Procedures for details.^cParental strain used to derive described mutant.^dAntibiotic resistances are abbreviated as follows: spectinomycin (SpeR), kanamycin (KanR).

REFERENCES

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